7. (New) A tubular coupling element for producing a glued joint with a fluid line, said tubular coupling element comprising:

an inner tube having an end and being insertable into a fluid line;

a connecting wall secured to said end of said inner tube;

an outer tube extending from said connecting wall and being constructed concentric to said inner tube, said outer tube, connecting wall and inner tube defining an annular gap; and

a solid ring of adhesive positioned within said annular gap.

8. (New) The tubular coupling element of claim 7, wherein said solid ring of adhesive comprises a dry hot-melt adhesive.

9. (New) The tubular coupling element of claim 7, wherein said inner tube further comprises an outer surface, said outer surface including a plurality of longitudinal ribs for producing a centered contact with the fluid line.

10. (New) The tubular coupling element of claim 7, wherein said outer tube further comprises an inner surface including a plurality of axially parallel grooves distributed over a circumference of said inner surface, said grooves having peaks with an inside diameter that is larger than an outside diameter of the fluid line.

11. (New) The tubular coupling element of claim 7, wherein a length of said outer tube is approximately equal to an outside diameter of the fluid line and said inner tube is longer than said outer tube.

12. (New) A tubular coupling element for producing a glued joint with a fluid line, said tubular coupling element comprising:

an inner tube having an end and being insertable into a fluid line;

a connecting wall secured to said end of said inner tube;

an outer tube extending from said connecting wall and having an inner surface that is concentric to said inner tube, said inner surface including a plurality of axially parallel grooves distributed over a circumference of said inner surface, said outer tube, connecting wall and inner tube defining an annular gap; and

a solid ring of dry hot-melt adhesive positioned within said annular gap.

13. (New) A tubular coupling element for producing a glued joint with a fluid line, said tubular coupling element comprising:

an inner tube having an end, an outer surface and being insertable into a fluid line, said outer surface including a plurality of longitudinal ribs for producing a centered contact with the fluid line;

a connecting wall secured to said end of said inner tube;

an outer tube extending from said connecting wall and having an inner surface that is concentric to said inner tube, said inner surface of said outer tube including a plurality of axially parallel grooves distributed over a circumference of said inner surface, said grooves having peaks with an inside diameter that is larger than an outside diameter of the fluid line, said outer tube, connecting wall and inner tube defining an annular gap; and

a solid ring of dry hot-melt adhesive positioned within said annular gap.

14. (New) A method for producing a glued joint between a tubular coupling element and a fluid line comprising the steps of:

providing a tubular coupling element including an inner tube that has an end and is insertable into a fluid line, a connecting wall secured to said end of said inner tube and an outer tube extending from said connecting wall and being constructed concentric to said inner tube, said inner tube, outer tube and connecting wall defining an annular gap;

providing a solid ring of adhesive;

positioning said solid ring of adhesive in said annular gap;

applying heat to said tubular coupling element so as to melt said solid ring of adhesive;

inserting said free end of said fluid line into said annular gap such that said free end contacts said ring of adhesive.

15. (New) The method of claim 14, wherein said solid ring of adhesive comprises a dry hot-melt adhesive.

16. (New) The method of claim 14, further comprising the steps of providing an induction coil; and preheating a free end of said fluid line with said induction coil.

17. (New) The method of claim 16, wherein said free end of said fluid line is pushed onto said coupling element together with the induction coil.

18. (New) A method for producing a glued joint between a tubular coupling element and a fluid line comprising the steps of:

providing a tubular coupling element including an inner tube that has an end, an outer surface and is insertable into a fluid line, said outer surface including a plurality of longitudinal ribs for producing a centered contact with said fluid line, a connecting wall secured to said end of said inner tube and an outer tube extending from said connecting wall that is concentric to said inner tube and has an inner surface including a plurality of axially parallel grooves distributed over a circumference of said inner surface, said outer tube and connecting wall defining an annular gap; and

providing a solid ring of adhesive;

positioning said solid ring of adhesive in said annular gap;

applying heat to said tubular coupling element so as to melt said solid ring of adhesive; and

inserting said free end of said fluid line into said annular gap such that said free end contacts said ring of adhesive and a small portion of said adhesive is pressed between said fluid line and said inner tube and a predominant portion of said adhesive is pressed between said fluid line and said outer tube.